

DEAR COLLEAGUE,

**PROGRAM DIRECTOR VACANCY FOR BIOCHEMICAL ENGINEERING/
BIOTECHNOLOGY PROGRAM**

We are pleased to announce an opening for a senior-level engineering researcher/educator to serve as Program Director for the Biochemical Engineering/Biotechnology Program in the Bioengineering and Environmental Systems Division of the Engineering Directorate at NSF. The Program Director position is a Temporary Appointment for one to two years under the Visiting Scientist/Engineer, the Intergovernmental Personnel Act (VSEE or IPA "rotator" positions), or as a Temporary Federal Appointee. The desired starting date for the position is July 1, 2002.

The Biochemical Engineering/Biotechnology Program supports research that links the expertise of engineering with the life sciences in order to provide a fundamental basis for the economical manufacturing of substances of biological origin. Projects are supported that utilize microorganisms for the transformation of organic raw materials (biomass) into useful products. Fermentation and recombinant DNA processes are important technologies to this program. Research in post-genomic science and engineering, metabolic engineering, tissue engineering and separation and purification processes, are major areas of activity. Other active research areas include, but are not limited to: cell culture systems; biosensor development; bioreactor design; monitoring, optimization, and control methods; and process integration and design.

The Program Director will work as a team member with others in the Biochemical Engineering/Biotechnology Program within the Division. The Program Director should have a breadth of technical knowledge, good communications skills, and an ability to work well with others. The ability to work with the scientific and engineering communities to enhance the effectiveness of research and educational programs is important. The major areas of technical experience sought are described below.

QUALIFICATIONS:

The candidate should have broad experience and expertise in biochemical engineering and the engineering aspects of biotechnology. Experience in biological, chemical and physical processes is required. A successful research or research administration background is desirable. The Program Director will be responsible for program planning, research evaluation, the administration of research grants and liaison activities with Program Directors at NSF and other Agencies.

The Program Director position at the National Science Foundation provides a challenging experience and an excellent opportunity to encourage and support engineering research and education. The individual will work with other Program Directors in formulating research strategies, developing cooperation among government, academia and industry, fostering outreach to underrepresented groups, and providing leadership within NSF and the research community. The position requires a Ph.D. with a minimum of six years of academic, government, or industry experience. We are very interested in attracting women and underrepresented minority candidates to this position. We would appreciate any nominations that you may have for suitable candidates. Should you or your colleagues be interested in this position, please contact the search committee coordinator, Dr. Fred Heineken (fheineke@nsf.gov) and forward a curriculum vita to him as soon as possible. Applications will be reviewed immediately although the position will remain open until filled. For questions or further information, please feel free to contact:

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